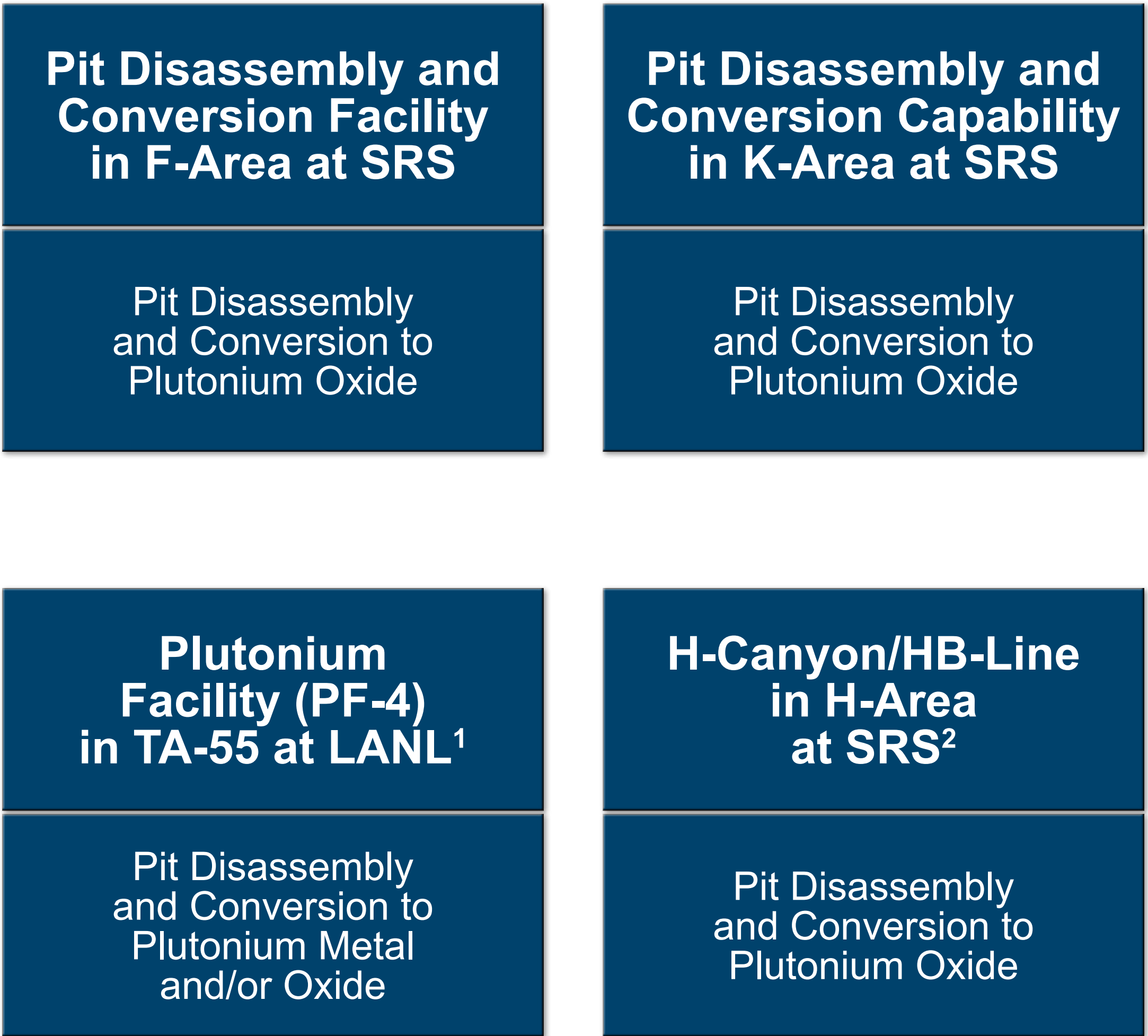




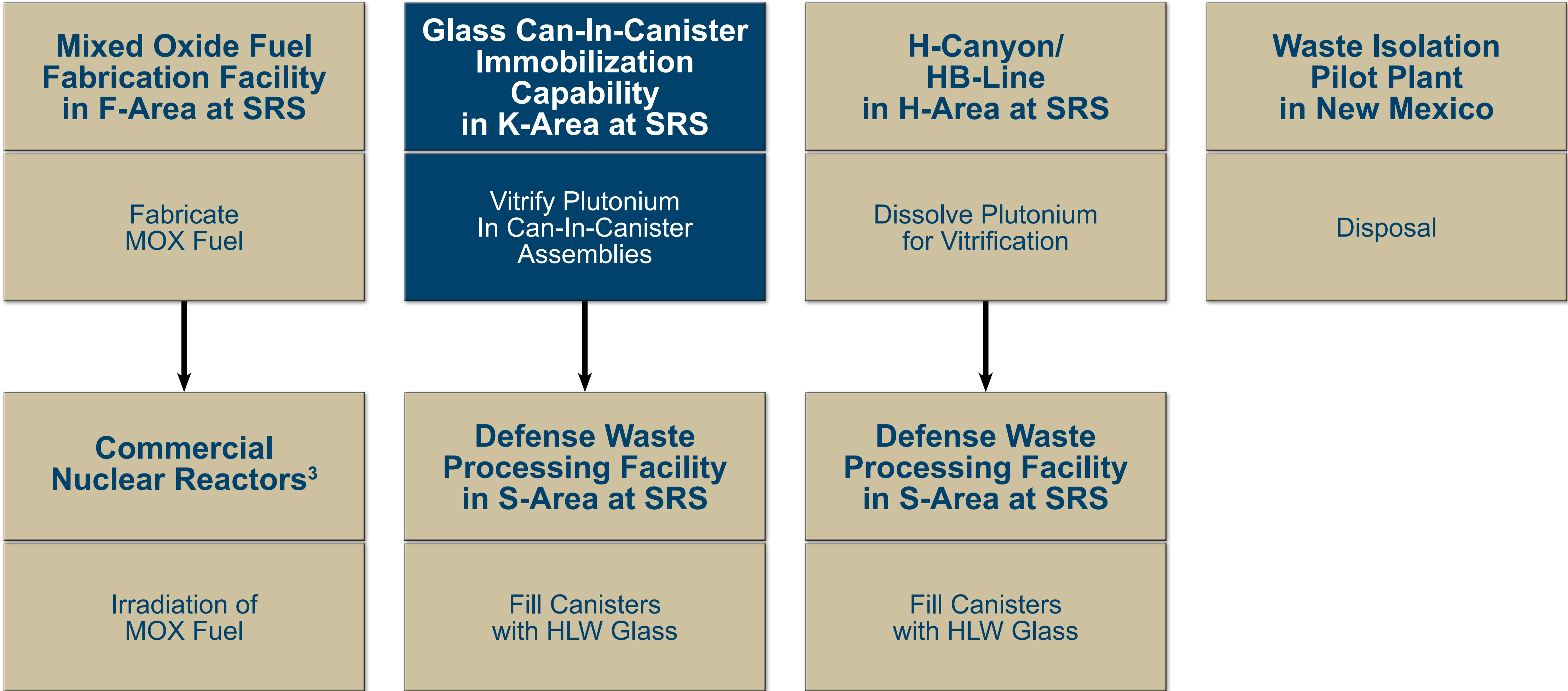
# Surplus Plutonium Disposition Supplemental Environmental Impact Statement (SPD Supplemental EIS)



## Options for Pit Disassembly and Conversion



## Options for Disposition of Surplus Plutonium



<sup>1</sup> Would include metal oxidation in the MOX Fuel Fabrication Facility.  
<sup>2</sup> The H-Canyon/HB-Line option would have to be executed in conjunction with another option.  
<sup>3</sup> DOE is evaluating impacts of MOX fuel irradiation in 5 TVA reactors.

## Preferred Alternative

- = new or enhanced capability
- = existing or facility under construction
- HLW = high-level radioactive waste
- LANL = Los Alamos National Laboratory
- MFFF = Mixed Oxide Fuel Fabrication Facility
- MOX = mixed oxide
- SRS = Savannah River Site
- TVA = Tennessee Valley Authority
- WIPP = Waste Isolation Pilot Plant

The MOX fuel alternative is DOE's preferred alternative for surplus plutonium disposition. DOE's preferred alternative for disposition of surplus plutonium that is not suitable for MOX fuel fabrication is disposal at WIPP.

DOE's preferred alternative for pit disassembly and the conversion of surplus plutonium metal to feed material for the MFFF, is to use some combination of facilities at TA-55 at LANL, K-Area at SRS, H-Canyon/HB-Line at SRS and MFFF at SRS, rather than to construct a new stand-alone facility at SRS.